

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application.

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4 **Listing of Claims:**

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6 Claim 1 (Original): A method comprising:
7 generating a policy digest for a cached policy at a client, the policy digest
8 identifying at least one assertion the client is complying with; and
9 including the policy digest in a request by the client to access a resource.

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11 Claim 2 (Original): The method of claim 1, wherein generating the
12 policy digest includes generating a hash of the cached policy.

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14 Claim 3 (Original): The method of claim 1, wherein generating the
15 policy digest includes encoding a bit vector identifying selected assertions from the
16 cached policy.

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18 Claim 4 (Original): The method of claim 1, wherein generating the
19 policy digest includes reading an assertion from the policy, assigning a bit value to
20 the assertion, and writing the bit value to a bit vector.

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22 Claim 5 (Original): The method of claim 1, wherein generating the
23 policy digest includes generating a hash of the cached policy if the cached policy is
24 normalized.

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2 Claim 6 (Original): The method of claim 1, further comprising:
3 incrementing a counter each time the cached policy is used; and
4 removing the cached policy from a cache at the client when the counter
5 exceeds a limit value.
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7 Claim 7 (Original): The method of claim 1, further comprising:
8 incrementing a counter for the cached policy when a fault is received at the
9 client in response to using the cached policy; and
10 removing the cached policy from a cache at the client when the counter
11 exceeds a limit value.
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13 Claim 8 (Original): The method of claim 1, further comprising
14 logging a diagnostic event when a fault is received at the client to identify a system
15 problem.
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17 Claim 9 (Original): A method comprising:
18 extracting at a host a policy digest identifying a cached policy, the policy
19 digest included in a request to access a resource; and
20 denying access to the resource if the policy digest identifies an invalid
21 policy.
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23 Claim 10 (Original): The method of claim 9, further comprising
24 issuing a fault for the client if the policy digest identifies an invalid policy.
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1 Claim 11 (Original): The method of claim 9, further comprising
2 decoding the policy digest.

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4 Claim 12 (Original): The method of claim 9, further comprising
5 decoding a bit vector of the cached policy.

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7 Claim 13 (Original): The method of claim 9, further comprising
8 reading an assertion from the policy digest.

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10 Claim 14 (Original): The method of claim 9, further comprising
11 reading a row hash of the cached policy.

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13 Claim 15 (Original): A system comprising:
14 a policy digest identifying at least one cached policy; and
15 a messaging module denying access to a resource if the policy digest
16 identifies an invalid policy for the resource.

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18 Claim 16 (Original): The system of claim 15, wherein the messaging
19 module extracts the policy digest from a message requesting access to the resource.

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21 Claim 17 (Original): The system of claim 15, wherein the messaging
22 module decodes the policy digest.

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24 Claim 18 (Original): The system of claim 15, wherein the policy
25 digest is a bit vector of a cached policy.

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2 Claim 19 (Original): The system of claim 15, wherein the policy
3 digest is a row hash of a normalized policy.

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5 Claim 20 (Original): The system of claim 15, wherein the policy
6 digest identifies at least one selected assertion.

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8 Claim 21 (Original): A system comprising:
9 a policy digest for a cached policy at a client, the policy digest identifying at
10 least one assertion the client is complying with; and
11 a messaging module including the policy digest in a request by the client to
12 access a resource.

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14 Claim 22 (Original): The system of claim 21, wherein the messaging
15 module encodes the policy digest.

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17 Claim 23 (Original): The system of claim 21, wherein the policy
18 digest is a bit vector of a cached policy.

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20 Claim 24 (Original): The system of claim 21, wherein the policy
21 digest is a row hash of a normalized policy.

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23 Claim 25 (Original): The system of claim 21, wherein the policy
24 digest identifies at least one assertion selected by the client.

1 Claim 26 (Original): A computer program product encoding a
2 computer program for executing on a computer system a computer process, the
3 computer process comprising:

4 generating a policy digest for a cached policy at a client, the policy digest
5 identifying at least one assertion the client is complying with; and
6 including the policy digest in a request by the client to access a resource.

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8 Claim 27 (Original): The computer program product of claim 26
9 wherein the computer process further comprises generating a hash of the cached
10 policy.

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12 Claim 28 (Original): The computer program product of claim 26
13 wherein the computer process further comprises encoding a bit vector of the
14 cached policy.

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16 Claim 29 (Original): The computer program product of claim 26
17 wherein the computer process further comprises reading an assertion from the
18 policy, assigning a bit value to the assertion, and writing the bit value to a bit
19 vector.

20
21 Claim 30 (Original): The computer program product of claim 26
22 wherein the computer process further comprises generating a row hash of the
23 cached policy if the cached policy is normalized.

1 Claim 31 (Original): The computer program product of claim 26,
2 wherein the computer process further comprises:

3 incrementing a counter each time the cached policy is used; and
4 removing the cached policy from a cache at the client when the counter
5 exceeds a limit value.

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7 Claim 32 (Original): The computer program product of claim 26
8 wherein the computer process further comprises:

9 incrementing a counter for the cached policy when a fault is received at the
10 client in response to using the cached policy; and
11 removing the cached policy from a cache at the client when the counter
12 exceeds a limit value.

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14 Claim 33 (Original): The computer program product of claim 26
15 wherein the computer process further comprises triggering a diagnostic event when
16 a fault is received at the client.

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18 Claim 34 (Original): A computer program product encoding a
19 computer program for executing on a computer system a computer process, the
20 computer process comprising:

21 extracting at a host a policy digest identifying a cached policy, the policy
22 digest included in a request to access a resource; and
23 denying access to the resource if the policy digest identifies an invalid
24 policy.

1 Claim 35 (Original): The computer program product of claim 34
2 wherein the computer process further comprises decoding the policy digest.
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4 Claim 36 (Original): The computer program product of claim 34
5 wherein the computer process further comprises decoding a bit vector of the
6 cached policy.
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8 Claim 37 (Original): The computer program product of claim 34
9 wherein the computer process further comprises reading an assertion from the
10 policy digest.
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12 Claim 38 (Original): The computer program product of claim 34
13 wherein the computer process further comprises reading a row hash of the cached
14 policy if the cached policy is normalized.
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